

Practitioner's Docket No. TRQ-09315-1C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Thomas R. Apel

Application No.: Herewith
Filed: Herewith

Appln. Group No.: Unknown
Appln. Examiner: Unknown

For: "Integrated Segmented And Interdigitated Broadside- And Edge-Coupled Transmission Lines"

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: March 22, 2004

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

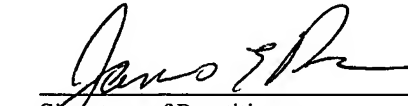
Attached hereto is a PTO/SB/08A Form listing references that should be considered by the Examiner and be made of record in the above-identified application. The Examiner is requested to initial this form and return it in accordance with MPEP § 609.

Copies of the references are not enclosed, because the references were cited in a prior application, Serial No. 10/121,066, filed on April 11, 2002, upon which the present application relies for priority under 35 USC 120. Please inform the undersigned if the copies of any or all of these references cannot be found in the file of Serial No. 10/121,066.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	Filed Herewith
				Filing Date	March 22, 2004
				First Named Inventor:	APEL, Thomas R.
				Examiner: unknown	GROUP: unknown
Sheet	1	of	2	Attorney Docket Number	TRQ-09315-1C

U.S. PATENT DOCUMENTS

Examiner Initials*	Cited No. ¹	Document Number Number - Kind Code ^{2(f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	A01	US-4,992,769	02/12/1991	Oppelt	
	A02	US-4,999,597	03/12/1991	Gaynor	
	A03	US-5,146,191	09/08/1992	Mandai et al.	
	A04	US-5,200,718	04/06/1993	Kato	
	A05	US-5,430,424	07/04/1995	Sato et al.	
	A06	US-5,497,137	03/05/1996	Fujiki	
	A07	US-5,767,753	06/16/1998	Ruelke	
	A08	US-5,793,272	08/11/1998	Burghartz et al.	
	A09	US-5,852,866	12/29/1998	Kuettner et al.	
	A10	US-5,877,667	03/02/1999	Wollesen	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Cntry Code ³ Number ⁴ Kind Code ^{5 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T ⁶
	A11	EP 1037300 A1	09/20/2000	Danet et al.		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Toyoda, Ichihiko, et al. "Three-Dimensional MMIC and Its Application: An Ultra-Wideband Miniature Balun," IEICE Trans. Electron., Vol. E78-C, No. 8, August 1995, pp. 919-924
Engels, M., and Jansen, R. H., "Modeling and Design of Novel Passive MMIC Components With Three and More Conductor Levels," 1994 IEEE MTT-S Digest (1994), pp. 1293-1296
Cho, Choonsik, et al. "A New Design Procedure for Single-Layer and Two-Layer Three-Line Baluns," IEEE Transactions on Microwave Theory and Techniques, Vol. 46, No. 12, December 1998, pp. 2514-2519

EXAMINER SIGNATURE:

DATE CONSIDERED:

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2. *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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				Filing Date		March 18, 2004	
				First Named Inventor:		APEL, Thomas R.	
				Examiner: unknown		GROUP: unknown	
Sheet	2	of	2	Attorney Docket Number		TRQ-09315-1C	

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	A12	US-5,884,990	03/1999	Burghartz et al.	
	A13	US-5,892,668	04/06/1999	Okamoto et al.	
	A14	US-5,969,590	10/19/1999	Gutierrez	
	A15	US-6,097,273	08/01/2000	Frye et al.	
	A16	US-6,198,374	B1	03/06/2001	Abel
	A17	US-6,263,198	B1	07/17/2001	Li
	A18	US-6,278,340	B1	08/21/2001	Liu
	A19	US-6,317,965	B1	11/20/2001	Okamoto et al.
	A20	US-6,407,647	B1	06/18/2002	Apel et al.
	A21	US-6,437,568	B1	08/20/2002	Apel et al.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Engels, M., and Jansen, R. H., "A Novel Compact Balun Structure for Multilayer MMICs," 26 th EuMC, 9-12 September 1996, Hotel Hilton Atrium, Prague, Czech Republic, pp. 692-696
Brown et al. "Printed Microwave Couplers With Thermal Isolation," 1997 IEEE MTT-S International Microwave Symposium Digest; Denver, June 8-13, 1997, IEEE Vol. 2, pp. 983-986

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